

承 认 书

SPECIFICATION FOR APPROVAL

客户名称

CUSTOMER NAME: American Lighting Inc.

产品名称

PRODUCT NAME: 2.4G FPC ANT

客户料号

MODEL P/N: SPKPL-GTWY-E

优比电子料号

UB P/N: UB01C55F3D2401A REV: A

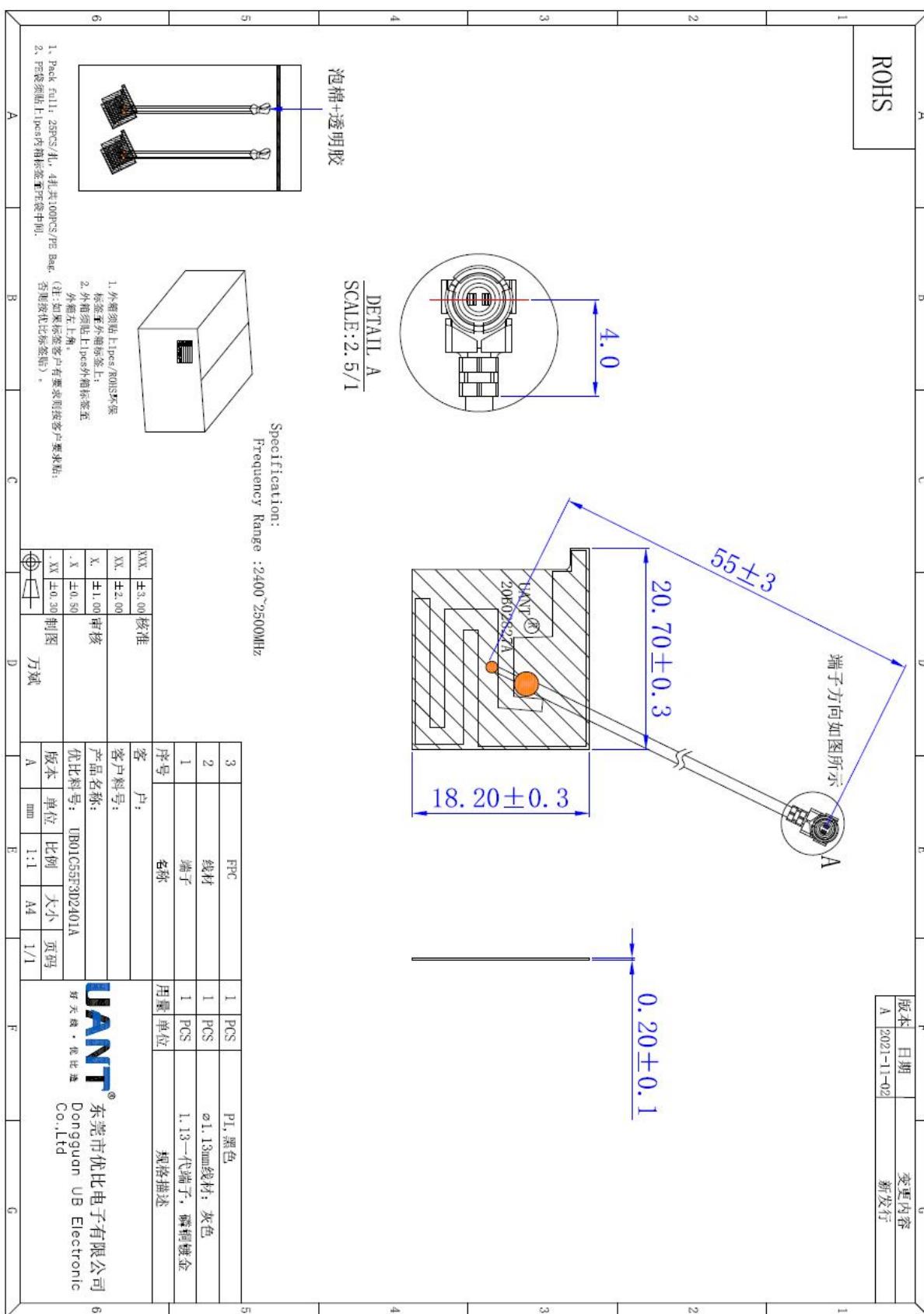
| | MANUFACTURER SIGNATURE | CUSTOMER SIGNATURE |
|--------------|---------------------------|-----------------------|
| CHECKED BY: | | |
| APPROVED BY: | | |
| DATE: | 2021/11/02 | |

1. 规格表:

产品主要技术参数

| 主要技术指标 | | Main technical specifications | |
|------------------|-------------|-------------------------------|-------------------|
| 频率范围 (MHZ) | 2400~2500 | Frequency Range (MHZ) | 2400~2500 |
| 特性阻抗(Ω) | 50 | Impedance(Ω) | 50 |
| 增益(dBi) | 1.75 | Peak Gain(dBi) | 1.75 |
| 输出电压 驻波比 | ≤ 1.92 | VSWR | ≤ 1.92 |
| 极化方式 | 线极化 | Polarization | Line |
| 连接方式 | 同轴线+端子 | Connector Type | RF Cable+Terminal |
| 物理性能 | | Physical Properties | |
| 天线本体材料 | FPC | Antenna Base | FPC |
| 工作温度 | -20°C~+70°C | Operating Temp | -20°C~+70°C |
| 保存温度 | -20°C~+70°C | Storage Temp | -20°C~+70°C |

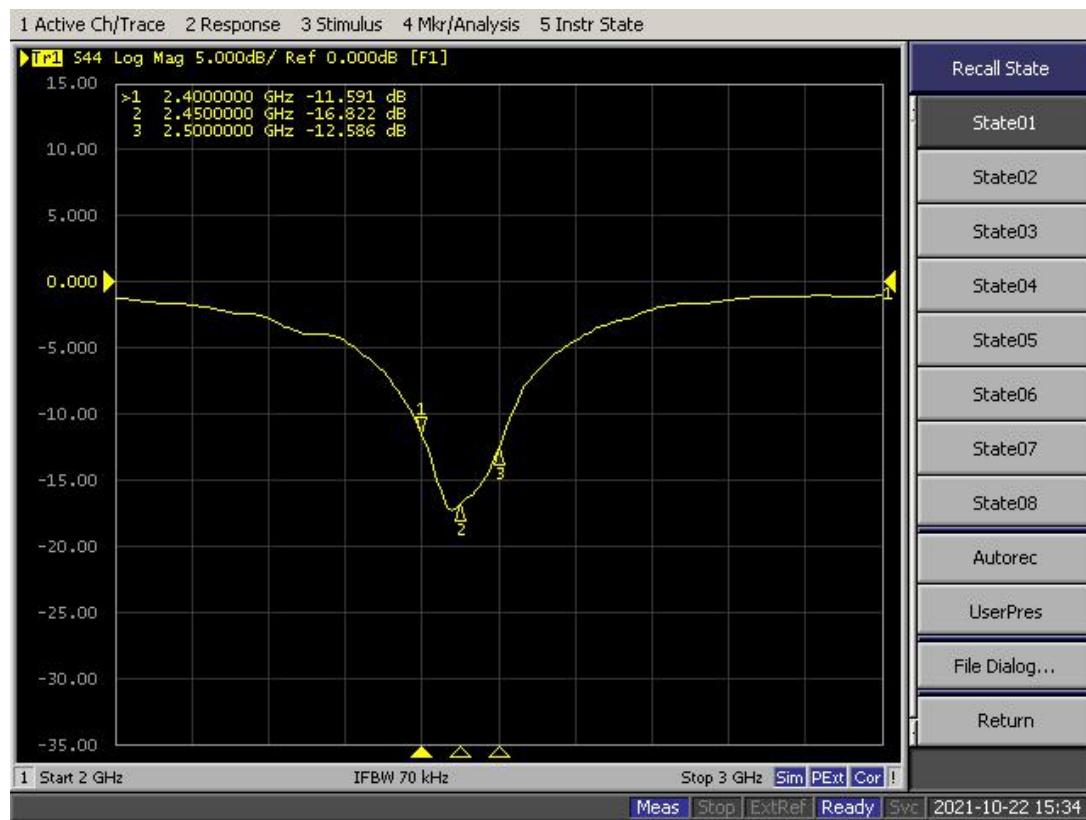
2. 成品图:



东莞地址: 东莞市塘厦镇林村社区新太阳工业城 79 栋
 杭州地址: 杭州市滨江区秋溢路 500 号乐通科技园 3 栋 106 室
 电话: 0769-81777126
 传真: 0769-81777125
 网址: www.ubuant.com

3. 测试报告

3.1: 网络分析仪测试报告Test Report

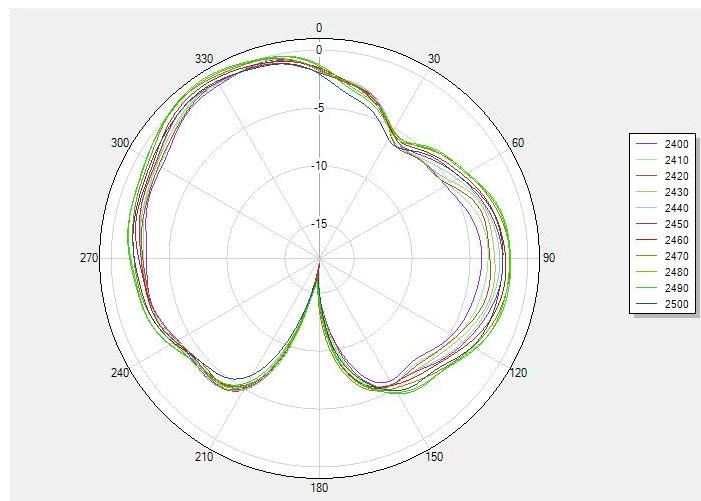


3.2: 暗室 2D、3DRaditation Pattern

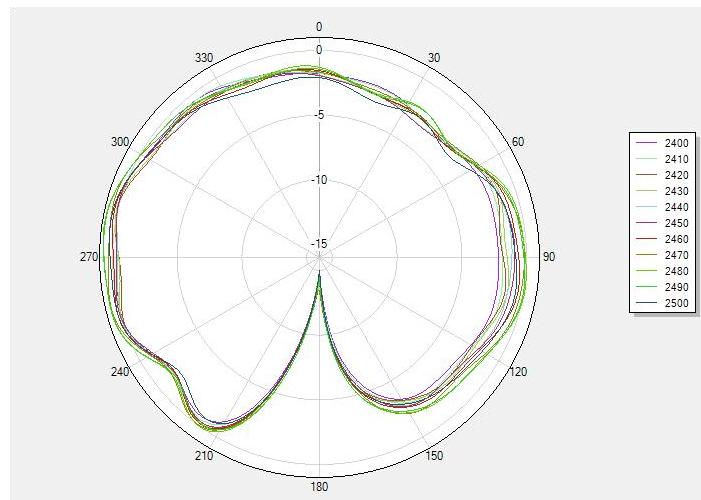
3.2.1 效率及增益Gain

| Frequency / MHz | Efficiency / dB | Efficiency / % | Gain/ dB |
|-----------------|-----------------|----------------|----------|
| 2400 | -2.03 | 62.66 | 1.22 |
| 2410 | -1.98 | 63.39 | 1.57 |
| 2420 | -2.05 | 62.37 | 1.65 |
| 2430 | -2.01 | 62.95 | 1.75 |
| 2440 | -1.96 | 63.68 | 1.05 |
| 2450 | -2.02 | 62.81 | 1.11 |
| 2460 | -1.83 | 65.61 | 1.2 |
| 2470 | -1.59 | 69.34 | 1.36 |
| 2480 | -1.45 | 71.61 | 1.42 |
| 2490 | -1.47 | 71.29 | 1.32 |
| 2500 | -1.86 | 65.16 | 1.27 |

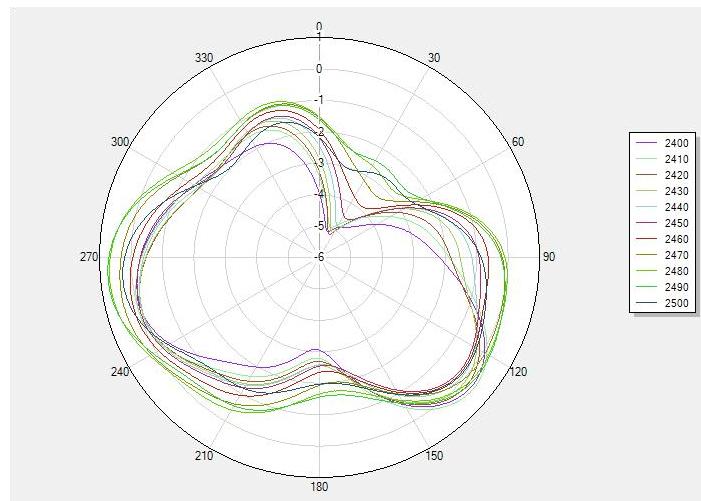
3.2.2 2D/3D 场型图



Phi 0 2D 图

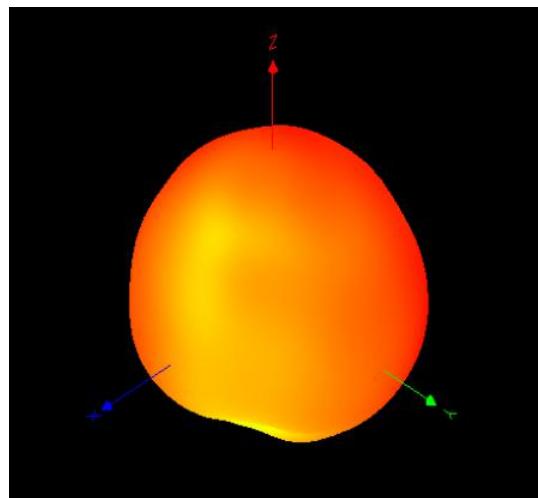


Phi 90 2D 图

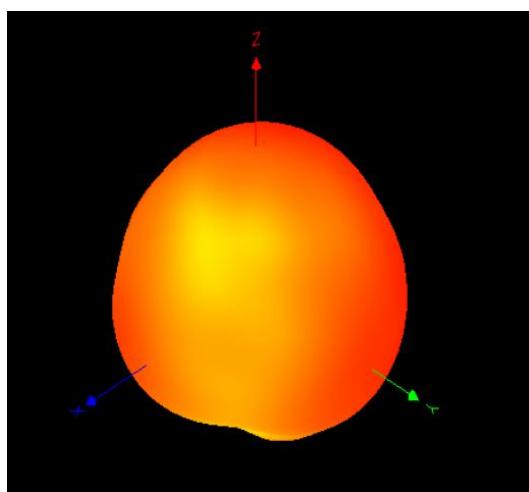


Theta 90 2D 图

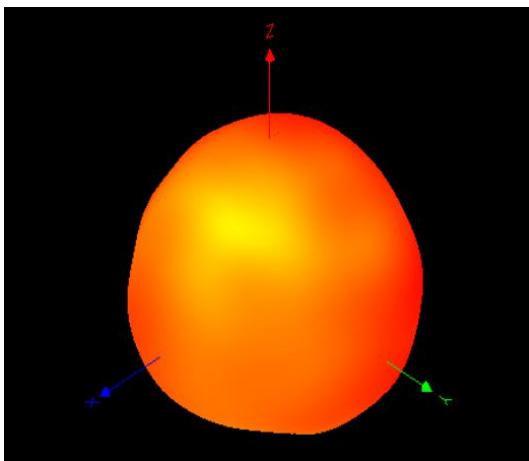
ANT 3D Radiation with MaxGain



2400MHz



2450MHz



2500MHz

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